

# KENTUCKY OPERATOR CERTIFICATION NEWSLETTER

MARCH 2010



## *Regulation Revisions Become Effective*

On Feb. 5, 2010, new operator certification regulations became effective. All wastewater and drinking water operator certification regulations are now located in 401 KAR Chapter 11, rather than chapters 5 and 8 where they were previously located. Below are summaries of the key changes that have occurred in each of the regulations. The full text of the regulations and copies of revised program forms can be found on the certification program's Web page, located at [www.dca.ky.gov/certification](http://www.dca.ky.gov/certification). Certified operators are encouraged to review and become familiar with the regulations that govern their profession.

**401 KAR 11:001** contains the definitions for 401 KAR Chapter 11.

**401 KAR 11:010** contains the duties of the certification boards. In this regulation, the types of classes the board can approve for continuing education hours are limited to "core content" items. "Core content" items will be defined by the board and reviewed at least annually. ABC's Need-to-Know Criteria was utilized when defining the core content. The core content list can be viewed at [www.dca.ky.gov/certification](http://www.dca.ky.gov/certification).

**401 KAR 11:020** contains standards for the performance of certified operator duties. This regulation expands and clarifies the ethical responsibilities of a certified operator.

**401 KAR 11:040** established the classification and qualifications of water treatment and distribution system operators. It created an Operator-in-Training certification for all classification levels. The OIT designation allows individuals without experience to take an examination, and if they pass, receive a "probationary license." The operator is only eligible to be an OIT for the same certification type and one level greater than the certification that the individual currently holds.

All operators with an OIT designation must work under the mentorship of another certified operator who works at the same facility as the operator holding the OIT certification. Operators with an OIT designation are not permitted to be in responsible charge of a facility. The only exception is for wastewater Class I-OITs operating a home unit that they own and only services one household.

This regulation also created a bottled water certification. The program will begin offering bottled water examinations in mid-summer.

**401 KAR 11:050** contains application and examination procedures; provisions relating to certificate issuance, renewal and termination; reciprocity; training and disciplinary actions. This regulation changed the duration of the limited certification from one year to two years. It also requires potential certified limited certificate holders to pass the Class I exam, rather than an inspector-facilitated test. Limited certificate holders are also required to obtain 12 hours of approved continuing education every two years.

This regulation changed the timeline for the termination of expired licenses from one year to six months. A certificate will terminate if it is not renewed on or before December 31 of the year the certification expired.

The regulation also outlines the process for OIT application submittals and renewals. When an individual applies to take a certification examination for an OIT designation, the applicant must also submit a letter from a certified operator that will be mentoring the OIT. The letter from the certified operator must indicate a commitment to be the OIT's mentor while the individual is employed at the facility and holds an OIT certification. Certified operators are only allowed to mentor one OIT at a time. The mentor must be certified at a level equal to or greater than the level required for the size of the system where the mentor is an operator.

OIT designations expire on the same schedule as a certification. OITs are required to obtain continuing education hours to maintain their OIT designation. In addition, if the OIT's have not earned sufficient experience to become a certified operator without the OIT designation prior to the expiration of the OIT certification, the OIT's must retake and pass the certification exam if they wish to remain an OIT. If OIT's earn sufficient experience to take an exam for a certification without the OIT designation, the operator's may apply to do so at any time. OIT's that have earned sufficient experience to take an exam for a "normal" certification may convert their certification during the renewal period without having to retake the exam as long as the OIT's submit a letter from their mentor recommending that their OIT designation be removed and a "normal" certification be awarded; they submit the Education and Experience Documentation form verifying they earned the required experience; the renewal form and renewal fee.

### INSIDE THIS ISSUE:

<i>Regulation Update</i>	1
<i>Water Training Institute (WTI) Information</i>	2
<i>Certified Operator Disciplinary Actions</i>	3
<i>Certification Program Award</i>	4
<i>Information Of Interest to Operators</i>	5
<i>New and Upgraded Licenses</i>	6
<i>Facility Energy Conservation</i>	11
<i>Certification Board News</i>	12
<i>Certification Training Schedule</i>	13
<i>Staff Member Profile</i>	14
<i>Operator Recruitment</i>	14



## **Water Training Institute Updates**

### **By Christal Wade, WTI Program Coordinator**

The program formerly known as WTTI – Water and Wastewater Technician Training Institute has a new name, a new look and a new focus. The Water Training Institute (WTI) received an Advanced Technological Education grant from the National Science Foundation in July 2009. Since receiving the funds, we have made several exciting changes in the program.

First, we are in the process of developing an Associates of Science degree program entitled Water Resource Management. The Water Resource Management degree program will be housed within the Liberal Arts and Sciences Division at Bowling Green Community College (BGCC) of Western Kentucky University (WKU). The Water Resource Management program currently has three (3) tracks: Water Operations, Wastewater Operations and Water Utility Management. In addition, the proposed program incorporates the new degree requirements approved by the WKU Board of Regents earlier this year. To obtain the Associate of Science degree, students will now complete only sixty (60) hours of academic credit coursework. As proposed, the degree program includes eighteen (15) hours of general education classes, twenty-one (21) hours of a newly developed science core, and twenty-one (24) hours of track-specific coursework, all of which can be completed online, in virtual classrooms. This new program is on schedule to be approved by the BGCC Curriculum Committee in October 2009. From there, the proposal will go to the WKU Curriculum Committee and the Kentucky Council on Postsecondary Education (KCPE) in November, with final approvals due in January 2010.

Secondly, concurrent with the development of the Water Resource Management degree program, we are developing a WKU certificate program for each of the Water Resource Management tracks and pursuing articulation agreements with other academic departments at WKU for 2 + 2 programs for Bachelor degrees. To obtain a Water Resource Management-related Certificate, students must complete fifteen (15) academic credit hours in the track of their choice. This option will be available to students who do not desire the Associates of Science degree and/or to students who already have a degree or are working on degrees in other fields. For students wishing to further their education beyond the Associate of Science degree, the Department of Architectural & Manufacturing Sciences at WKU offers a Bachelor of Science in Technology Management specifically for students who currently hold a certificate or associate's degree. From there, the Department of Political Science offers a Master of Public Administration degree program for administrators who seek to increase their administrative potential. In addition, other programs are being developed in various academic departments.

Third, we are in the process of developing UNET – The Utility Network. UNET is a network of utilities that are partnering with the WTI program to provide local point-of-presence, hands-on opportunities for WTI students.

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Utilities in UNET provide a variety of opportunities for WTI students, including: (a) facility access for tours/ observation of treatment processes, and/or distribution/collection systems operations, (b) training in specific treatment processes/operations, (c) access to laboratory facilities for observation/training, (d) mentoring of and/or paid internships for WTI students and (e) other opportunities, depending on the facility. Each UNET utility has a Memorandum of Agreement with the WTI program, and all activities at the utilities involving students in the WTI program will be coordinated via the WTI Program Coordinator.

Fourth, we are working with trade association partners, including KRWA, KWWOA, TAUD, KY/TN AWWA, and others, to develop core course content at an accelerated rate. In addition, the trade associations and their member utilities are developing scholarship opportunities for WTI students to help alleviate the burden of paying for tuition, books, etc.

Finally, we have begun the process of converting WTI course content into online accessible continuing education Unit/Hour modules. Once completed, currently licensed operators in Kentucky and Tennessee will have the opportunity to earn state approved CEU/Hs online at the WTI Website.

These are very exciting times for the Water Training Institute, and we invite everyone to follow our progress at our Websites: <http://wti.waterky.org> and <http://unet.waterky.org>. Please feel free to ask questions and/or make suggestions to enhance the program.

### **Certified Operator Disciplinary Actions**

The Department for Environmental Protection, in consultation with the Kentucky Board of Certification of Wastewater System Operators and the Kentucky Board of Certification of Drinking Water Treatment and Distribution System Operators, took disciplinary action against two certified operators during the last few months. An overview of these actions is listed below.

#### **Case 1**

In February 2007, the Division of Water determined that a certified operator failed to adequately perform the duties as a Class II wastewater treatment plant operator and that the operator willfully or negligently violated or caused violations of 401 KAR 5:010, 5:031 and 5:065. After the appeal process, an agreement was reached between the cabinet and the operator. The agreed order required the operator to surrender his wastewater treatment certification permanently.

Case Closed.

#### **Case 2**

In September 2009, the Division of Compliance Assistance received a written complaint regarding possible falsification of a certification application. The board conducted a review of all information submitted and heard testimony from the operator in question. The agency agreed with the board that the information, while not sufficient to prove that falsification did not occur, did provide doubt regarding the accuracy of the complaints. Because there was not sufficient evidence to confirm falsification, the division concurred with the findings of the certification board and determined that disciplinary action would not be taken against the operator.

Case Closed.

## Operator Certification Program Receives Achievement Awards

CERTIFICATION  
PROGRAM  
RECOGNIZED AS  
OUTSTANDING  
PROGRAM BY  
KENTUCKY  
DEPARTMENT FOR  
ENVIRONMENTAL  
PROTECTION

The Kentucky Division of Compliance Assistance's (DCA) Certification and Licensing Branch, which is responsible for implementing Kentucky's wastewater and drinking water system operator certification program, was recently recognized by the Department for Environmental Protection (DEP) as an outstanding program. In addition, two of the branch's employees were also given outstanding employee awards.

DEP held its awards ceremony on Dec. 11, 2009, to recognize outstanding employees and programs within the department. DEP management received numerous nominations from coworkers, supervisors, managers and directors recommending employees, teams, supervisors, branches and divisions for recognition as DEP outstanding employees. From that list of nominations, only a small number of staff and programs were selected to receive this distinguished recognition.

The Certification and Licensing Branch was one of only three programs presented with an Outstanding Branch Award for 2009. Each year, more than 5,000 of Kentucky's environmental professionals are influenced by the Certification and Licensing Branch in DCA. Because of the hard work and dedication of the Certification and Licensing Branch, these operators are not only doing a good job, they are getting better. Over the last two years, the Certification and Licensing Branch has been busy. Staff members have dusted off and refined most of its administrative processes. The program became the first in the department to use the Internet as a means to receive and pay for an agency approval and is in the process of increasing these online services beyond certification renewals and training registrations. In 2009, the program updated all of its regulations, including an operator ethics rule and an OIT program that will redefine the certification program. The program also created a collection system licensing program, upgraded its certification exams, recreated much of its training programs, and participated in the development of Kentucky's first university degree program for wastewater and drinking water operators.

Julia Kays, manager of the Certification and Licensing Branch, was presented with an Outstanding Employee Award. Effective teams can usually identify one person that has fundamentally influenced the group's long term success. Julia joined DCA in 2005, and helped shape the division's vision and character. When Julia was presented her award, Bruce Scott, commissioner of the Department for Environmental Protection said, "She shows that a leader is not a person who holds a position of authority, but rather is a person who guides others toward a common goal, leads the way by example, and creates an environment in which others can succeed." Since Julia became manager of DCA's Certification and Licensing Branch, her leadership and dedication have lead the program to its current success.

Steve Crosman, a certification trainer who is widely  
(Continued on page 5)



Left to right: front row Jessica Wilhoite, Veronica Roland, Lisa Butler, Julia Kays second row: Clayton Getz, Amanda Starks, Steve Crosman and Tim Ricketts

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recognized by operators all over the Commonwealth, was also presented with an Outstanding Employee Award. Steve was an operator for the City of Lawrenceburg before he came to work for DEP in July 2006. Now as a trainer, Steve is able to use his experience to train drinking water operators all across the Commonwealth. Anyone that has met Steve knows that he lives, eats and breathes all aspects of the drinking water program. A good example is when Steve went to Myrtle Beach with his wife for vacation. She went to the beach, and he toured the drinking water and wastewater plants. Steve even got down in the trenches to help the operators fix a line break right outside his hotel. To say that Steve is passionate about his profession would be an understatement. That passion is apparent to all that attend his training classes and rely on him for assistance.

"It is a privilege to be able to work with a dedicated team of public servants", said Aaron Keatley, director of the Division of Compliance Assistance. "They understand that the wastewater and drinking water system professionals they train and certify every day hold possibly the greatest potential to do harm or good to Kentucky's water resources. The program does not take this responsibility lightly and, as a result, are building environmental professionals that are protecting Kentucky's water resources and ensuring that Kentucky's citizens have access to safe drinking water."

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## Information of Interest to Operators

### Perchlorate Standards Being Considered

In January, the U.S. Environmental Protection Agency (EPA) issued an interim health advisory for perchlorate of 15 micrograms per liter. The EPA is still reviewing the issue and considering input from the National Academy of Sciences.

### Facility Energy Consumption

Drinking water and wastewater facilities can now save energy and reduce their carbon footprint with expanded tools available from the U.S. Environmental Protection Agency's (EPA) Energy Star Program. Enhancements to Portfolio Manager, the agency's popular energy tracking tool for commercial facilities, allow water utilities to track energy use and associated carbon emissions, set targets for investment priorities and verify efficiency improvements.

The EPA maintains several Web sites related to energy efficiency. One of their sites relative to the water industry is: **Energy Star for Drinking Water Utilities**, [www.energystar.gov/waterwastewater](http://www.energystar.gov/waterwastewater).

*On Tap* Spring 2009: 13



***New and Upgraded Licenses 10/1/09—12/31/09***

Bobby R Moseley	DW Operator Certification-1D	10/12/2009
Keith W Stratton	DW Operator Certification-1D	10/12/2009
Adrian K Peterson	DW Operator Certification-2D	10/12/2009
Ronald K Curtsinger	DW Operator Certification-3D	10/12/2009
Scott J House	DW Operator Certification-4A	10/14/2009
William E Berry	WW Collection Certification-1	10/14/2009
Kathy L Carey	WW Collection Certification-2	10/14/2009
Lawren A Just	WW Collection Certification-2	10/14/2009
Kenneth Lacks II	WW Collection Certification-2	10/14/2009
Raymond Grant	WW Collection Certification-3	10/14/2009
Emma M Wethington-Taul	WW Operator Certification-1	10/14/2009
Daniel C Emerson	WW Operator Certification-3	10/14/2009
Michael A Pickard	WW Collection Certification-2	10/21/2009
Justin A Metz	WW Operator Certification-4	10/26/2009
Kenneth D Hogsten Jr.	WW Operator Certification-4	10/26/2009
Calvin E Rodgers	WW Operator Certification-4	10/26/2009
Anthony W Hatfield	WW Operator Certification-1	10/27/2009
Susan E Butts	WW Operator Certification-1	10/27/2009
Paul A German	WW Operator Certification-1	10/27/2009
David R Coe	WW Operator Certification-1	10/27/2009
David W McDougal	WW Operator in Training	10/27/2009
David L Hamilton	WW Operator in Training	10/27/2009
Brian K Wright	WW Operator in Training	10/27/2009
Teresa L Brown	WW Operator in Training	10/27/2009
Matthew S Prater	WW Operator in Training	10/27/2009
Donald R Edsell	WW Operator in Training	10/27/2009
Ashley W Garrett	WW Operator in Training	10/27/2009
Brad A Moore	WW Operator in Training	10/27/2009
Dewayne K Reid	WW Operator Certification-1	10/28/2009

Jonathan R Jones	WW Operator Certification-1	10/28/2009
Clayton B House	WW Operator Certification-2	10/28/2009
Bobby M Morris	WW Operator Certification-2	10/28/2009
Kimberly J Dukes	WW Operator Certification-2	10/28/2009
Jimmy R Sorrels	WW Operator Certification-2	10/28/2009
James R Kardols	WW Operator Certification-2	10/28/2009
Derek S Helms	WW Operator Certification-2	10/28/2009
Gregory A McCaleb	WW Operator Certification-2	10/28/2009
Adam D Krieg	WW Operator Certification-3	10/28/2009
David R Cupp	WW Operator Certification-3	10/28/2009
Jackie D Midkiff Jr.	WW Operator Certification-3	10/28/2009
Boyd M Roland	WW Operator Certification-3	10/28/2009
Gregory D Johnson	DW Operator Certification-1BD	10/30/2009
Kirtley F Fillhardt	DW Operator Certification-1BD	10/30/2009
Ricky Crider	DW Operator Certification-1BD	10/30/2009
Steven M Penney	DW Operator Certification-1BD	10/30/2009
Jason S Stevenson	DW Operator Certification-1BD	10/30/2009
Leroy J Detwiler	DW Operator Certification-1BD	10/30/2009
Kirk A Staples	DW Operator Certification-2BD	10/30/2009
David L Hampton	DW Operator Certification-3B	10/30/2009
Jeremiah S Noles	DW Operator Certification-3D	10/30/2009
Michael A Knotts	DW Operator Certification-4D	11/09/2009
Joseph M Lippert	DW Operator Certification-4D	11/09/2009
Jared M Webb	DW Operator Certification-4D	11/09/2009
Nathan P Napier	DW Operator Certification-4D	11/09/2009
Michael D Galavotti	DW Operator Certification-4D	11/09/2009
Kenneth E Chisley	DW Operator Certification-4D	11/09/2009
Brian King	DW Operator Certification-4D	11/09/2009
Michael S Polley	DW Operator Certification-4D	11/09/2009

### ***New and Upgraded Licenses 10/1/09—12/31/09 (cont.)***

Patrick Hjelm	WW Operator Certification-1	10/28/2009
Wallace K Todd	DW Operator Certification-1D	11/12/2009
James H Onkst	DW Operator Certification-2D	11/12/2009
Michael D Stanton	DW Operator Certification-2D	11/12/2009
Ricky L King	DW Operator Certification-2D	11/12/2009
Justin A Thompson	DW Operator Certification-2D	11/12/2009
Dennis Alan Minch Sr.	DW Operator Certification-2D	11/12/2009
Bill Mills	DW Operator Certification-2D	11/12/2009
Darrell E Adkins	DW Operator Certification-2D	11/12/2009
Brian L Hall	DW Operator Certification-2D	11/12/2009
Daniel L Buffin	DW Operator Certification-2D	11/12/2009
Heath R Howell	DW Operator Certification-2D	11/12/2009
Nora A Bauer	DW Operator Certification-2D	11/12/2009
James T White	DW Operator Certification-2D	11/12/2009
David C Flowers	DW Operator Certification-2D	11/12/2009
Orba M Poppelwell	DW Operator Certification-2D	11/12/2009
Marshall Lovitt	DW Operator Certification-2D	11/12/2009
Paul V Lutes	DW Operator Certification-2D	11/12/2009
Leslie M Rose	DW Operator Certification-2D	11/12/2009
Russell Moses	DW Operator Certification-2D	11/12/2009
Jeremy A Stewart	DW Operator Certification-2D	11/12/2009
Cody R Kirby	DW Operator Certification-3D	11/12/2009
Arnold K Davis	DW Operator Certification-3D	11/12/2009
Roger L Kincaid	DW Operator Certification-3D	11/12/2009
Bobby J Spears	DW Operator Certification-3D	11/12/2009
Brandon C Edwards	DW Operator Certification-3D	11/12/2009
Ivan L Dennison	DW Operator Certification-3D	11/12/2009
Adam S Daugherty	DW Operator Certification-3D	11/12/2009
Jason T McGinnis	DW Operator Certification-3D	11/12/2009
Bryon L Wren	WW Operator Certification-3	11/12/2009

Rudy L Lee	DW Operator Certification-4D	11/09/2009
Kenneth A Dryden	WW Collection Certification-4	11/13/2009
Foster E Taulbee	WW Collection Certification-4	11/13/2009
Scott L Jeffries	WW Collection Certification-4	11/13/2009
Dallas T Conger	WW Collection Certification-4	11/13/2009
Richard Galardi	WW Collection Certification-4	11/13/2009
Elliott Turner	WW Collection Certification-4	11/13/2009
James R Dant	WW Collection Certification-4	11/13/2009
Glenn P Sims	WW Collection Certification-4	11/13/2009
John W Chenault	WW Collection Certification-4	11/13/2009
Steven C Lilly	WW Collection Certification-4	11/13/2009
Rebecca L OHair	WW Collection Certification-1	11/16/2009
Aaron Flanery	WW Collection Certification-1	11/16/2009
Jeremy F Dennis	WW Collection Certification-1	11/16/2009
David M Roof	WW Collection Certification-1	11/16/2009
Marshall S Ramey	WW Collection Certification-1	11/16/2009
Timothy Coy	WW Collection Certification-1	11/16/2009
Gary E Blankenship	WW Collection Certification-1	11/16/2009
Kenneth McCarter	WW Collection Certification-2	11/16/2009
Ronnie B McKee	WW Collection Certification-2	11/16/2009
Anthony R Callan	WW Collection Certification-2	11/16/2009
Robert F Brown	WW Collection Certification-2	11/16/2009
Eddie R Harris	WW Collection Certification-2	11/16/2009
Darrell W Munday	WW Collection Certification-2	11/16/2009
Dustin J Hamilton	WW Collection Certification-2	11/16/2009
Morris D Purvis	WW Collection Certification-2	11/16/2009
David K Crick	WW Collection Certification-2	11/16/2009
Ricky D Hamilton	WW Collection Certification-2	11/16/2009
Tim Bartley	WW Collection Certification-2	11/16/2009
William C Brewer	WW Collection Certification-2	11/16/2009

***New and Upgraded Licenses 10/1/09—12/31/09 (cont.)***

Michael H Flynn	WW Collection Certification-4	11/13/2009
John W Brown	WW Collection Certification-2	11/16/2009
Ronald Norwood	WW Collection Certification-2	11/16/2009
Roger C Bray	WW Collection Certification-2	11/16/2009
Charles L Huron	WW Collection Certification-2	11/16/2009
John T Lemons	WW Collection in Training	11/16/2009
Zachary G Yates	WW Collection Certification-2	11/17/2009
Thomas Thompson	WW Collection Certification-2	11/17/2009
Ryan Stamper	WW Collection Certification-2	11/17/2009
Michael L Warren	WW Collection Certification-2	11/17/2009
Clyde F Workman	WW Collection Certification-2	11/17/2009
John A Thurman	WW Collection Certification-2	11/17/2009
Edward A Wenz	WW Collection Certification-2	11/17/2009
Christopher E Sharon	WW Collection Certification-3	11/17/2009
Robert W Young	WW Collection Certification-3	11/17/2009
Tony G Burton	WW Collection Certification-3	11/17/2009
Jack R Cobb	WW Collection Certification-3	11/17/2009
David W Short	WW Collection Certification-3	11/17/2009
Rick D Fletcher	WW Collection Certification-3	11/17/2009
Gary W Deaton	WW Collection Certification-3	11/17/2009
Charles E Knott	WW Collection Certification-3	11/17/2009
Charles L Miles	WW Collection Certification-3	11/17/2009
Tommy L Atkins	WW Collection Certification-3	11/17/2009
Todd A Whitis	WW Collection Certification-3	11/17/2009
Kevin R McCormack	WW Collection Certification-3	11/17/2009
Robert M Thompson	WW Collection Certification-3	11/17/2009
Ronnie L Murray	WW Collection Certification-3	11/17/2009
Raymond J Sanders	WW Collection Certification-3	11/17/2009
Kyle W Young	WW Collection Certification-3	11/17/2009
Paul D Owens	DW Operator Certification-4A	11/23/2009
Thomas M Gagnon	DW Operator Certification-4D	11/23/2009
David L West	WW Collection Certification-1	12/14/2009
Charles A Smither	WW Collection Certification-1	12/14/2009
Jesse W Emberton	WW Collection Certification-1	12/14/2009
Michael A Perkins	WW Collection Certification-1	12/14/2009
Robert L Peterson	WW Collection Certification-4	12/14/2009
Daniel W Young	WW Collection Certification-4	12/14/2009

David B Shehee	WW Collection Certification-2	11/16/2009
Adrian T Mucker	DW Operator Certification-1BD	11/24/2009
Michael R Sampson	DW Operator Certification-2D	11/24/2009
James F Anderson	WW Collection Certification-1	11/30/2009
William R Gossett	WW Collection Certification-2	11/30/2009
Erin Donges	WW Collection Certification-2	11/30/2009
Willie Nolan	WW Collection Certification-2	11/30/2009
Daniel W Johnson	WW Collection Certification-3	11/30/2009
Larry V Alexander	WW Collection Certification-3	11/30/2009
Kenneth R Durham	WW Collection Certification-3	11/30/2009
Robert D Thurman	WW Operator Certification-1	11/30/2009
Joseph D Christian	WW Operator Certification-1	11/30/2009
Greg D Spillman	WW Operator Certification-2	11/30/2009
Jon A Abney	WW Operator Certification-3	11/30/2009
Robert Stanton	WW Operator Certification-3	11/30/2009
Matthew L Watkins	WW Operator in Training	11/30/2009
Jeremy S Soard	WW Operator in Training	11/30/2009
Jonathan J Wilburn	WW Collection Certification-1	12/04/2009
Timothy W Bullock	WW Collection Certification-4	12/10/2009
Rodney A Harkleroad	WW Collection Certification-4	12/10/2009
Dean L Behnke	WW Collection Certification-4	12/10/2009
Lawrence E Webb	DW Operator Certification-4A	12/11/2009
Andrew B Myers	WW Collection Certification-1	12/14/2009
Hubert V Holland	WW Collection Certification-1	12/14/2009
Billy R Steele	WW Collection Certification-1	12/14/2009
Jeff P Auchter	WW Collection Certification-1	12/14/2009
Johnny D Betts	WW Collection Certification-1	12/14/2009
Leigh A Thomas	WW Collection Certification-1	12/14/2009
Phillip H McCord	WW Collection Certification-1	12/14/2009
Teddy Hunt	WW Collection Certification-1	12/14/2009
Michael L Conn	WW Collection Certification-1	12/14/2009
Joshua A Durham	WW Collection Certification-2	12/16/2009
Keith A Dulen	WW Collection Certification-2	12/16/2009
Nathan W Dortch	WW Collection Certification-2	12/16/2009
Dennis A Wene	WW Operator Certification-3	12/16/2009
Thomas Manning	WW Collection Certification-2	12/17/2009
Cecil L Lockaby	WW Collection Certification-2	12/17/2009



***New and Upgraded Licenses 10/1/09—12/31/09 (cont.)***

Ronald R Wolf	WW Collection Certification-4	12/14/2009
TJ Taylor	WW Collection Certification-4	12/14/2009
William D Willis	WW Collection Certification-4	12/14/2009
James C Richeson	WW Collection Certification-4	12/14/2009
Benjamin C Judd	WW Collection in Training	12/14/2009
Richard Troxell	WW Collection in Training	12/14/2009
Darrell L Sears	WW Collection in Training	12/14/2009
Stephen Mullins	WW Collection in Training	12/14/2009
Robert W Doan II	WW Collection Certification-2	12/15/2009
Nora A Bauer	WW Collection Certification-2	12/15/2009
Steven W Breeding	WW Collection Certification-2	12/15/2009
Kenneth W Anderson	WW Collection Certification-2	12/15/2009
Daniel H Bradshaw	WW Collection Certification-2	12/15/2009
Darian L Blevins	WW Collection Certification-2	12/15/2009
Brian K Crowe	WW Collection Certification-2	12/15/2009
Michael L Blaine	WW Collection Certification-2	12/15/2009
Fred B Dean	WW Collection Certification-2	12/15/2009
Richard L Blevins	WW Collection Certification-2	12/15/2009
James M Dalton	WW Collection Certification-2	12/15/2009
Chris D Carter	WW Collection Certification-2	12/15/2009
James B Walker	WW Collection Certification-4	12/15/2009
Norris S Futrell	WW Collection Certification-2	12/16/2009
Marcus L Dock	WW Collection Certification-2	12/16/2009
Jackie W Embery	WW Collection Certification-2	12/16/2009
Alton F Perry	WW Collection Certification-2	12/18/2009
Anthony J Riddle	WW Collection Certification-2	12/18/2009
Michael D Riddle	WW Collection Certification-2	12/18/2009
Donnie R Powell	WW Collection Certification-2	12/18/2009
Anthony R Taylor	WW Collection Certification-2	12/21/2009
Benn A Stahl	WW Collection Certification-2	12/21/2009
Jerry D Ross	WW Collection Certification-2	12/21/2009
David R Williams	WW Collection Certification-2	12/21/2009
James E Smith	WW Collection Certification-2	12/21/2009
Dana G Rogers	WW Collection Certification-2	12/21/2009
Timothy J Wilkerson	WW Collection Certification-2	12/21/2009
Robert M Williamson	WW Collection Certification-2	12/21/2009
Joshua T Whitfield	WW Collection Certification-2	12/21/2009

Edward J Peretto	WW Collection Certification-2	12/17/2009
Derek S Helms	WW Collection Certification-2	12/17/2009
Daniel D Garris Jr.	WW Collection Certification-2	12/17/2009
David Hall	WW Collection Certification-2	12/17/2009
Calvin D Meece	WW Collection Certification-2	12/17/2009
Dennis L McClure	WW Collection Certification-2	12/17/2009
Michael L Grigg	WW Collection Certification-2	12/17/2009
Richard Heady	WW Collection Certification-2	12/17/2009
Joe D Moorman	WW Collection Certification-2	12/17/2009
Tim S McGuire	WW Collection Certification-2	12/17/2009
Phillip R Maggard	WW Collection Certification-2	12/17/2009
John A Kuhn	WW Collection Certification-2	12/17/2009
Patrick M Gilreath	WW Collection Certification-2	12/17/2009
Guy L Johnson	WW Collection Certification-2	12/17/2009
Anthony A Lee	WW Collection Certification-2	12/17/2009
Christopher L Orr	WW Collection Certification-2	12/17/2009
Jeffrey A Mofford	WW Collection Certification-2	12/17/2009
Leroy B Lackey Jr	WW Collection Certification-2	12/17/2009
Kendell W Knox	WW Collection Certification-2	12/17/2009
Veronica J Hall	WW Collection Certification-2	12/17/2009
Aaron K Hall	WW Collection Certification-2	12/17/2009
Stephen T Haddix	WW Collection Certification-2	12/17/2009
Carl W Roark	WW Collection Certification-2	12/18/2009
Bill W Rigney	WW Collection Certification-2	12/18/2009
Chad A Bullock	WW Collection Certification-3	12/21/2009
William A Holland	WW Collection Certification-3	12/21/2009
Joseph W Anderson	WW Collection Certification-3	12/21/2009
Terry A Frogue	WW Collection Certification-3	12/21/2009
James A Noel	WW Collection Certification-3	12/21/2009
Michael R Adkins	WW Collection Certification-3	12/21/2009
John W Brown	WW Collection Certification-3	12/21/2009
Charles A Parham III	WW Collection Certification-3	12/21/2009
Carroll L Hill	WW Collection Certification-3	12/21/2009
Randy Bentley	WW Collection Certification-3	12/21/2009
Dennis Alan Minch Sr.	DW Operator Certification-4A	12/22/2009
Terri L Harris	DW Operator Certification-4A	12/22/2009
Michael F Ramey	DW Operator Certification-4A	12/22/2009

***New and Upgraded Licenses 10/1/09—12/31/09 (cont.)***

Roger K Williams	WW Collection Certification-2	12/21/2009
James P Wilmot	WW Collection Certification-2	12/21/2009
Terry D Russell	WW Collection Certification-2	12/21/2009
Billy F Williams II	WW Collection Certification-2	12/21/2009
Paul D Tipton	WW Collection Certification-2	12/21/2009
James S Robinson	WW Collection Certification-2	12/21/2009
Kenneth W Thomas	WW Collection Certification-2	12/21/2009
Joseph L Sanders	WW Collection Certification-2	12/21/2009
Rob M Stevens	WW Collection Certification-2	12/21/2009
Adam B Smither	WW Collection Certification-2	12/21/2009
William W Hunley	WW Collection Certification-3	12/21/2009
Jeffrey D Miller	WW Collection Certification-3	12/21/2009
Danny L Brumley	WW Collection Certification-3	12/21/2009
Ricky E Dearing	WW Collection Certification-3	12/21/2009
David A Bollinger	WW Collection Certification-3	12/21/2009
Gary D Jennings	WW Collection Certification-3	12/21/2009
John R Clark	WW Collection Certification-3	12/21/2009
Robert J Noble	DW Operator Certification-1AD	12/23/2009
Timothy Brandenburg	DW Operator Certification-2A	12/23/2009
William L Luxon	DW Operator Certification-2A	12/23/2009
Michael E Cordell	DW Operator Certification-2A	12/23/2009
Jason D Miles	DW Operator Certification-2A	12/23/2009
Christopher J Reeves	DW Operator Certification-2A	12/23/2009
Paul E Harp	DW Operator Certification-2A	12/23/2009
Philip W Cooper	DW Operator Certification-2A	12/23/2009
Roger A Wright	DW Operator Certification-2A	12/23/2009
Leroy Brown	DW Operator Certification-3A	12/23/2009
Melissa S Lepping	DW Operator Certification-3A	12/23/2009
Matthew E Smith	DW Operator Certification-3A	12/23/2009
Chris Rose	DW Operator Certification-3A	12/23/2009

Robert N Frye	DW Operator Certification-4A	12/22/2009
Jack G Anderson	DW Operator Certification-4A	12/22/2009
Jeremy C Lewis	DW Operator Certification-4A	12/22/2009
Robert B Eads	DW Operator Certification-4A	12/22/2009
David Poole	DW Operator Certification-4A	12/22/2009
William L Calhoun	DW Operator Certification-4A	12/22/2009
Claude Philpot Jr.	WW Collection Certification-1	12/22/2009
David J Peterson	WW Collection Certification-3	12/22/2009
David W Russelburg	WW Collection Certification-3	12/22/2009
Steve E Quisenberry	WW Collection Certification-3	12/22/2009
Calvin E Rodgers	WW Collection Certification-3	12/22/2009
Tony B Stewart	WW Collection Certification-3	12/22/2009
Robert Stanton	WW Collection Certification-3	12/22/2009
Millard R Rose	WW Collection Certification-3	12/22/2009
Richard A Porter	WW Collection Certification-3	12/22/2009
John Ranburger	WW Collection Certification-3	12/22/2009
Michael D Hale	DW Operator Certification-1AD	12/23/2009

**Congratulations to all of our new licensees!**

Remember, keep your license up to date. Complete the necessary continuing education hours each renewal period and renew your license by the expiration date on your wallet card.

Operators are also required to carry their wallet cards with them when they are working at their facility. Your certificate should also be posted at the facility.

## Facility Energy Conservation

### Energy Saving Tips

*On Tap* Spring 2009: 22

1. Perform operations during off-peak hours when energy costs are lower. For example, if you have enough storage capacity for the system to absorb all the flow, you could fill up the tanks at night and let them drain down during the day.
2. Use variable-speed drives on large throttled motors.
3. Make sure the distribution system is leak-free. Each day, approximately six billion gallons of treated drinking water are lost throughout the U.S. because of system leaks, according to the American Society of Civil Engineers. This is approximately 14 percent of the nation's total daily water production.
4. Actively promote the use of water-conserving restroom fixtures.
5. Look at operational changes that prevent intermittent large motors from operating simultaneously
6. Replace inefficient and undersized/oversized equipment.
7. Make sure pumps are properly adjusted.
8. Trim or replace impellers.
9. Ensure that support spaces are maintained at cool temperatures (55 degrees Fahrenheit). Electric heaters can use a lot of energy in uninsulated rooms full of water-cooled pipes.
10. Install all automatic lighting controls to ensure that pump station lights do not remain active for extended unoccupied periods.

Approximately  
90 percent of  
drinking water  
utility costs come  
from pumping.  
*On Tap* Spring  
2009:17

### Exploring Energy Options

*On Tap* Spring 2009: 17

Water and wastewater industries account for an estimated 56 billion kilowatt-hours (kWh) of the overall U.S. electricity demand, according to the U.S. Environmental Protection Agency (EPA). It costs approximately \$4 billion a year to provide energy for the country's water systems.

Jason Turgeon, an environmental scientist with the EPA Region 1, reports that three percent of the total energy used in the country is consumed through water and wastewater treatment, and the consumption is split evenly between the two. "That's a tremendous amount of energy," he says. "Three percent doesn't sound like a lot of energy, but it's roughly [equal to] the total residential energy demand for the state of California.

Energy is usually one of the top expenses at municipally owned water and wastewater treatment facilities, and consumers end up paying the bill. From 2002 to 2007, municipal water rates increased an average of 27 percent, according to a report from the Earth Policy Institute.



## ***Certification Board News***

### **Certification Board Business Meeting Schedule**

Board meetings are held at the Division of Compliance Assistance, 300 Fair Oaks Ln., Frankfort, KY 40601.

#### Wastewater Board

March 16, 2010, 11:00 a.m., Room 301C

#### Drinking Water Board

March 18, 2010, 1:30 p.m., Room 301 C

*The April board meetings for the wastewater board and the drinking water board will be held at the KWWOA conference in Louisville at the Galt House. Check the conference agenda for date, time and room location.*

Operators are welcome to attend.

### **Changes in Board Membership**

#### **Wastewater Certification Board Says Farewell to Suzie Bradley and Randy Bingham.**

Suzie Bradley retired from the board in November 2009. Suzie had been a member of the board since 1993. During her tenure, she served as one of the operator representative members and was the board chairman for several years. Her vast institutional knowledge and her professional expertise served the board and certified operators in Kentucky well. She will certainly be missed, but we wish her a fulfilling retirement.



***Congratulations!***

Randy Bingham's term on the wastewater board expired in August 2009. Randy had served on the board as a certified operator representative since 2005.



Due to work responsibilities and plans to retire in the next few years, Randy decided to not ask for reappointment when his term expired.

Randy brought many talents to the board. His ethics, knowledge, and professionalism will be missed.

## **Board Member Profiles**

*Each quarterly newsletter will profile two board members.*

#### Larry Grubbs

Larry serves on the Kentucky Board of Certification of Wastewater System Operators as the city manager representative. Larry also serves as the co-chairman of the certification board and has been a board member since 2005.

Larry has over 15 years of supervisory and environmental protection experience in a municipal sewer department. He currently serves as the pretreatment officer and assists the Richmond Water, Gas and Sewer superintendent.

Larry currently holds a class IV wastewater treatment license and a class IV wastewater collection system license, in addition to his certificate in plumbing design (CPD/CIPE).



#### Barry Bolin

Barry serves on the Kentucky Board of Certification of Water Treatment and Distribution System Operators as one of the certified operator representatives for the board. He was appointed to the board in 1999.

Barry has 16 years experience at Paducah Water in McCracken County. Barry served four years as assistant superintendent of the Distribution Dept. and 12 years as superintendent of the Distribution Dept. He holds both a Class IVA and Class IVD operator's certification and obtained his B.S. from the University of Kentucky.



### Certification Training Schedule Through June

Date of Training	Location	Course Title	Program Category	Number of Training Hours
2/16/10—2/17/10	Pennyrile Forest SRP	Operator Forum (DW 7489)	DW	12
2/22/10—2/25/10	Jenny Wiley SRP	Wastewater Treatment Cert School (WW 7516)	WW	18
3/1/10—3/4/10	Kentucky Dam Village SRP	Surface Water Treatment Cert School (DW 7490)	DW	18
3/17/10—3/18/10	Greenbo Lake SRP	Materials & Math (WW 7517)	WW	12
3/29/10—3/30/10	Lake Cumberland SRP	Biology & Math (WW 7518)	WW	12
3/30/10—3/31/10	Lake Cumberland SRP	Distribution O&M (DW 7493)	DW	12
4/12/10—4/15/10	Galt House, Louisville	Distribution Cert. School (DW 7494)	DW	18
4/12/10—4/15/10	Galt House, Louisville	Wastewater Treatment Cert. School (WW 7519)	WW	18
4/17/10—4/29/10	Kentucky Dam Village SRP	Collection Cert School (WW 7520)	WW	12
4/27/10—4/28/10	Dale Hollow SRP	Test Preparatory . (DW 7495)	DW	12
5/10/10—5/11/10	DEP Training Center, 300 Fair Oaks Ln., Frankfort	Trenchless Technology Cont. Ed. (CDW 7496)	DW and WW	12
5/11/10—5/12/10	Pine Mountain SRP	Excavation & Hazards (CDW 7521)	DW and WW	12
5/13/10—5/14/10	DEP Training Center, 300 Fair Oaks Ln., Frankfort	Emerging Contaminants (DW 7497)	DW	12
5/24/10—5/27/10	DEP Training Center, 300 Fair Oaks Ln., Frankfort	Surface Water Treatment Cert. School (DW 7498)	DW	18
5/25/10—5/26/10	Blue Licks Battlefield SRP	Sludge, Solids & Math (WW 7522)	WW	12
6/7/10—6/10/10	Kenlake SRP	Wastewater Treatment Cert. School (WW 7523)	WW	18
6/9/10—6/10/10	Barren River SRP	Math Review (DW 7499)	DW	12
6/22/10—6/25/10	Rough River SRP	Groundwater Treatment Cert. School (DW 7500)	DW	18
6/22/10—6/23/10	Buckhorn Lake SRP	Materials & Math (WW 7524)	WW	12

**NOTE**—Hours earned prior to initial certification shall not count toward certification renewal.



### **Certification and Licensing Branch Staff Member Profile**

Tim Ricketts—Wastewater Certification Trainer

Tim Ricketts serves as a wastewater trainer, and he was a former member of the Comtrain team. Since 2000, Tim has been a member of the division's wastewater training staff. In the preceding nine years, he was an environmental inspector for the Division of Water in the Louisville Regional Office. The decade before coming to the Division of Water, Tim was traveling nationwide as an inspector in the asbestos industry. Tim has more than 28 years' experience in the environmental industry.



He is ready to assist wastewater operators with any questions regarding their certification or profession.

### **E-mail List**

Did you know that you can receive announcements, newsletters and other programmatic information through e-mail? This is a new service offered by the Certification and Licensing Program and you too, can be added to the distribution list by calling 1-800-926-8111, ext. 652, or by e-mailing [Julia.Kays@ky.gov](mailto:Julia.Kays@ky.gov).

### **Operator Recruitment**

One of the certification program's objectives is to develop and implement a communication strategy that educates the public on the importance of certified professionals and the impact they have on water quality.

In order to inform students of the operator profession, the program has participated in area middle and high school career fairs since 2007. Most recently, program staff attended the career fair at the Cumberland County High School on Nov. 20, 2009.

If operators would like to request our participation in a career fair at a local school, please contact [Julia Kays](#) or [Lisa Butler](#).





## DIVISION OF COMPLIANCE ASSISTANCE

Division of Compliance Assistance  
Certification and Licensing Branch  
300 Fair Oaks Lane  
Frankfort, KY 40601

Phone: 800-926-8111 or

502-564-0323

Fax: 502-564-9720

Web page:

[www.dca.ky.gov/certification](http://www.dca.ky.gov/certification)



### FREE Technical Assistance

Did you know that the Division of Compliance Assistance offers free compliance assistance? Our services are available to all individuals, communities and businesses regulated by the department. We want to help you succeed!

Call us toll-free at **1-800-926-8111**.

### *Certification and Licensing Branch Staff*

Julia Kays, Manager

#### Administration

Lisa Butler

Veronica Roland

Amanda Starks

Jessica Wilhoite

#### Certification Training

Steve Crosman

Clayton Getz

Tim Ricketts

### *Green Tip*

Be sensible! The Earth might seem like it has abundant water, but in fact only one percent of all water on the planet is available for humans. Buy fixtures and products that are water efficient - you can use less water to get the same job done just as well. When you go shopping, look for the Water Sense label to find water efficient products.

